

Application Number 10/722,628
Amendment Dated September 7, 2006
Reply to Final Rejection of August 28, 2006

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Amended) A pressure balancing cartridge for use in an anti-scald hot and cold water mixing valve, and the pressure balancing cartridge comprising a casing, a sleeve within the casing, and a reciprocating balancing spool within the sleeve, the improvement comprising:

the sleeve and spool being molded of a very high temperature ultra lubricated plastic resin to prevent thermal malformation thereof due to prolonged contact with hot water, and to prevent the build up of mineral deposits and debris commonly found in aqueous solution in water supplies, within the mixing valve, and the sleeve incorporating a pair of surface seal inserts, each of which is positioned diametrically opposite the other, with one being positioned at a cold water inlet area and the other being positioned at a hot water inlet area.

2. (Previously Amended) The cartridge of claim 1 wherein the plastic resin is a PTFE compound.

3. (Canceled)

4. (Canceled)

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5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Canceled)

9. (Canceled)

10. (Canceled)

11. (Canceled)

12. (Canceled)

13. (Canceled)